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# PATENT SPECIFICATION



Application Date : Sept. 4, 1920. No. 25,558 / 20.

171,528

Complete Left : May 3, 1921.

Complete Accepted : Nov. 24, 1921.

## PROVISIONAL SPECIFICATION.

### Improvements in or relating to Golf Balls and the like.

I, JOHN WHITE, of Golf Club, Sunningdale, Berkshire, a subject of the King of England, do hereby declare the nature of this invention to be as follows:—

5 This invention relates to improvements in golf balls and has for one of its objects to provide a golf ball having a distinctive marking that will not be readily destroyed, as for example by the blows  
10 from a club.

With the golf balls at present in use, particularly soft cored balls, I find that the marking very soon becomes damaged by repeated blows from the club and the  
15 life of the balls is consequently very short.

It is well known that the air pockets formed by depressions on the surface of a golf ball materially assist in the flight  
20 of the ball, and it is, therefore, important that these depressions should remain as clearly marked as possible and free from filling.

According to a primary feature of my  
25 invention therefore I provide a golf ball which is characterised by the depressions each having a secondary recess formed in the bottom thereof.

The depressions and recesses therein  
30 may be of various shapes and proportions but I prefer to make the depressions of

rectangular formation and of comparatively shallow depth combined with recesses therein of circular cross-section. I find that a ball thus marked gives very  
35 satisfactory results and also presents a striking appearance.

The secondary recesses are preferably slightly deeper than the outer rectangular depressions and may have a diameter of  
40 approximately one third of the width thereof.

My experiments have proved that balls made as herein described keep their marking and therefore possess a much longer  
45 life than balls as heretofore made, one reason being that the secondary recesses or "dimples" are not directly affected by the blows from the club.

The above details are given by way of  
50 example only and various modifications may be made without departing from the spirit of my invention. It will also be understood that my invention is not restricted to its application to soft cored  
55 golf balls.

Dated this 4th day of September, 1920.

BOULT, WADE & TENNANT,  
111 & 112, Hatton Garden, London,  
E.C. 1.

Chartered Patent Agents.

60

## COMPLETE SPECIFICATION.

### Improvements in or relating to Golf Balls and the like.

I, JOHN WHITE, of Golf Club, Sunningdale, Berkshire, a subject of the King of England, do hereby declare the nature  
65 of this invention and in what manner the same is to be performed, to be particu-

larly described and ascertained in and by the following statement:—

This invention is for improvements in or relating to golf balls and the like and  
70 has for one of its objects to provide a

golf ball having a distinctive marking that will not be readily destroyed, as for example by blows from a club.

It is well known that the air pockets 5 formed by depressions in the surface of a golf ball materially assist in the flight of the ball, and it is, therefore, important that these depressions should remain as clearly marked as possible and free from 10 filling. With the golf balls at present in use, particularly soft cored balls, I find that the marking soon becomes damaged by repeated blows from the club and consequently the life of the balls is very 15 short.

According to a prominent feature of this invention a golf ball having a marking formed by depressions (hereinafter called "primary" depressions) in its surface, is characterised by some or all of the 20 said primary depressions having each a further (hereinafter termed a "secondary") depression not deeper than itself formed in the bottom thereof.

The invention will be more easily understood by reference to the accompanying drawing which illustrates one preferred embodiment of the present invention:—

30 Figure 1 being a view of the complete ball, which may be soft-cored, and

Figure 2 a section central through some of the depressions of a portion of the ball, to a scale larger than that of Figure 1.

35 "Primary" depressions 1 having chamfered or sloping edges 2 are formed in the surface of the ball and between these, ribs 4 are left. The depressions are for the most part rectangular in shape 40 but their distribution over the surface of the ball is such, in the example illustrated, that it does not permit all of the depressions to be rectangular or even all of the same size.

45 In the bottom of each substantially full-sized depression is formed a further and centrally-disposed "dimple" 3 constituting a "secondary" depression of circular cross-section and of a depth and 50 diameter approximately equal to half the depth and width respectively of the "primary" depression in which it lies.

In use, balls of this kind keep their marking well, as I have found by experiment, and therefore possess a longer life 55 than those heretofore made, one reason

being that the "secondary" recesses or "dimples" are not directly affected by the blows from the club since they are 60 protected by the ribs 4 left between the depressions 1. The "dimples" moreover, give to the ball a distinctive and striking appearance.

It will be appreciated that my invention is not restricted in scope to the 65 example illustrated since I may modify the details thereof without departing from the scope of the invention. Thus, I may make the "secondary" depressions of any shape or size within the "primary" 70 depressions, which also may be of any shape or size. I may, moreover, modify the marking of the ball to permit each "primary" depression to be rectangular in form. Also I may apply my invention 75 to other than soft cored balls. The terms "primary" and "secondary" as herein applied to depressions are employed merely for the sake of distinction and not as indicating relative function. 80

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:— 85

1. A golf ball having formed in its surface a series of depressions, characterised by some or all of the said depressions having each a further depression not 90 deeper than itself formed in the bottom thereof for the purpose described.

2. A golf ball as claimed in Claim 1 in which the first said depressions are of rectangular formation and the said 95 further depressions in the bottoms thereof are circular in cross-section substantially as described and illustrated.

3. A golf ball as claimed in Claim 1 or Claim 2 characterised by the said further depressions having a depth of approximately one half of the depth of and a 100 width or diameter of approximately one half of the width or diameter of the first said depressions.

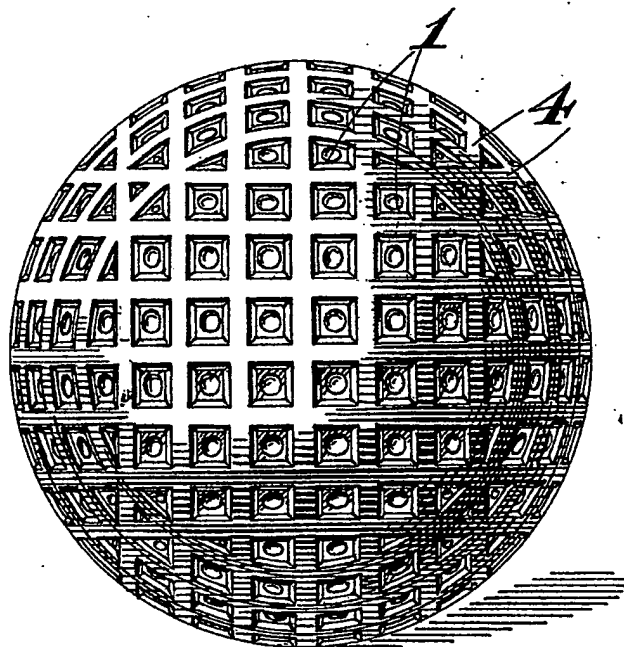
4. The golf ball as illustrated in the 105 accompanying drawings or as described.

Dated this 3rd day of May, 1921.

BOULT, WADE & TENNANT,  
111 & 112, Hatton Garden, London,  
E.C. 1,

Chartered Patent Agents. 110

*Fig. 1.*



[This Drawing is a full-size reproduction of the Original.]

*Fig. 2.*

